

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

June 6, 1994

MEMORANDUM

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Revised labelling for Tebuconazole

From: *for* Anthony F. Maciorowski, Chief
Ecological Effects Branch, EFED

To: Denise Greenway, PM 21
Insecticide Branch, RD

Joseph J. Hester
6/7/94

EEB has reviewed the revised labelling supplied by Miles for Folicur 3.6 (containing tebuconazole) on peanuts. In light of the recalculation of the aquatic EEC based on the Preliminary Tier I fate model, EEB agrees to allow the deletion of the following statement:

" In counties with endangered fish species, do not apply within 150 feet of aquatic areas listed above. Contact your local agricultural extension agent for a list of counties of concern."

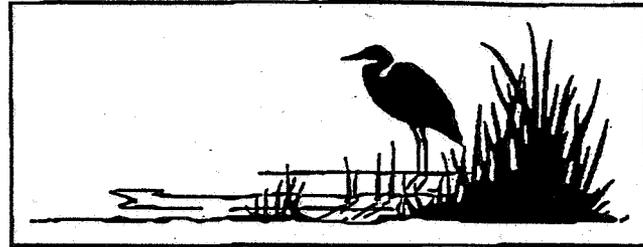
All previously agreed statements such as "Aerial application is prohibited." should be retained until EFED reviews the mesocosm and performs a more refined exposure assessment.



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RAPIFAX FROM:

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Miles Incorporated
Miles Research Park
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Stilwell, Kansas 66085



FAX Number: 913-897-5215
Phone Number: 913-897-9132

IMPORTANT

Please deliver the following document(s) immediately:

DATE: May 31, 1994

TO: H. Craven

FROM: Bob Graney

FAX NUMBER: 703-305-6309

NUMBER OF PAGES: 2

Harry,

I appreciate the efforts to date on the Folicur peanuts petition. As discussed on the phone, to ensure there is no confusion at the last minute on the exact label language, I thought I would clarify that the label language which Miles had submitted to the Agency on December 7, 1993 to specifically address endangered fish species would no longer be applicable. Specifically, the following labeling language would be removed for the 1994 use season:

"In counties with endangered fish species, do not apply within 150 feet of aquatic areas listed above. Contact your local agricultural extension agent for a list of counties of concern."

The above language specifically addressed concerns for endangered fish species.

Given the need to finalize the label in time for the 1994 use season, Miles will maintain all the other mitigation measures it had originally proposed to address the Agency's concern for chronic effects on fish. Specifically:

1. Restriction against aerial application;

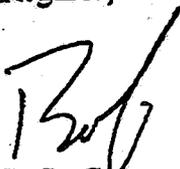
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2. Requirement for alternate year applications;
3. 100 foot buffer zone and 10 foot vegetative filter strip;
4. Restriction of applications before July.

However it is our understanding that the final risk assessment conclusion based on the Tier 1 exposure assessment was that minimal concern exists for adverse effects on fish or invertebrates. If a similar conclusion can be reached with some of the above label statements removed, then obviously Miles would like to re-visit the need for all of these restrictions. After registration, Miles would like to submit such a request, with the appropriate supporting justification for removal of specific statements.

Thanks again for your efforts and please call if you have any questions..

Regards,



R. L. Graney

Reason to Issue: To propose registration for use on peanuts; 06/01/94 Draft; Revise in accordance with Ecological Effects Branch comments.

Date of Draft: 06/01/94 (Pre-Reg) (T) Supersedes Pre-Reg. Draft Dated: 12/06/93

ACCEPTED
July 15, 1994
Under the registration, amendment, suspension and
Rodenticide Act, as amended, for the
pesticide registered under
EPA Reg. No. 3125-394

FOLICUR® 3.6 F FOLIAR FUNGICIDE

FOR CONTROL OF SPECIFIED DISEASES ON PEANUTS

ACTIVE INGREDIENT:

Tebuconazole, α -[2-(4-chlorophenyl)-ethyl]- α -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol	38.7%
INERT INGREDIENTS	61.3%
	100%

Contains 3.6 pounds tebuconazole per gallon.
EPA File Symbol No. 3125-GOU
EPA Est. 3125-MO-1

NET CONTENTS: ___ GALLONS

**STOP - READ THE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN**

CAUTION

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or spray mist.

Personal Protective Equipment: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: • Long-sleeved shirt and long pants; • Chemical-resistant gloves, such as barrier laminate, or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton; • Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:
User should: • Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. • Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

FOLICUR 3.6 F

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STATEMENTS OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. Get medical attention.

If eyes are contaminated: Hold eyelids open and flush with plenty of water for 15 minutes. Call a physician if irritation persists or develops after flushing.

If inhaled: First remove victim to fresh air or uncontaminated area. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention as soon as possible.

SYMPTOMS OF POISONING: The compound does not cause any definite symptoms that would be diagnostic. Contact with the eyes may cause irritation.

NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically.

In case of poisoning, it is also requested that Miles Inc., Agriculture Division, Kansas City, Missouri, be notified. Telephone - Area Code 816-242-2582.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to estuarine ~~and marine~~ invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

~~Drift and~~ Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

IMPORTANT: Read these entire Directions and Conditions of Sale before using FOLICUR 3.6 F.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. MILES OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MILES AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls;
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton;
- Shoes plus socks.

Spray Volume: FOLICUR 3.6 F may be applied in a minimum of 10 gallons of spray solution per acre by ground sprayer. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the spray volume per acre for complete crop coverage.

Aerial Application: Aerial application is prohibited.

Chemigation: Do not apply this product through any type of irrigation system.

Mixing: Add recommended amount of FOLICUR 3.6 F into the spray tank while filling with water to the desired level. Operate the agitator while mixing. If other materials are added to the spray tank, the FOLICUR 3.6 F should be thoroughly dispersed prior to the addition of other materials.

Compatibility: To determine the compatibility of FOLICUR 3.6 F with other products, the following procedure should be followed: Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least five (5) minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible. For further information contact your local Miles representative.

RECOMMENDED APPLICATIONS			
CROP	DISEASE	RATE OF FOLICUR 3.6F	REMARKS
Peanut	Sclerotium stem rot (White mold) Rhizoctonia limb rot Early and late leafspot Leaf rust	7.2 fl oz per acre	<p>FOUR-APPLICATION SPRAY PROGRAM: Apply the specified rate in a preventive spray schedule. For optimum control of white mold and Rhizoctonia limb rot, four consecutive applications must be made at 14-day intervals. See table below for proper timing of applications. Applications of a non-sterol inhibitor fungicide should be made prior to and following applications of FOLICUR 3.6 F to discourage development of resistant strains of fungi. For optimum control of early and late leaf spots, the lowest recommended rate of a spray surfactant should be tank-mixed with FOLICUR 3.6 F.</p> <p>A maximum of 28.8 fluid ounces of FOLICUR 3.6 F may be applied per crop season. FOLICUR may be applied up to 14 days before harvest. Do not feed hay or threshings or allow livestock to graze in treated areas.</p>
	Timing of FOLICUR 3.6F Application for Optimum Control of White Mold and Rhizoctonia Limb Rot (Do Not Apply FOLICUR prior to July 1.)		
	Spray Program	FOLICUR 3.6F Application No.	Non-Sterol Fungicide Application No.
	7 applications	3,4,5 and 6	1, 2 and 7

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES.

Apply only during alternate years in fields adjacent to aquatic areas listed above.

Do not apply within 100 feet of aquatic areas listed above.

~~In counties with endangered fish species, do not apply within 150 feet of aquatic areas listed above. Contact your local agricultural extension agent for a list of counties of concern.~~

Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetative filter strip.

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ROTATIONAL CROPS

Treated areas may be replanted with any crop specified on this label as soon as practical after last application.

Any crop not specified on this label may be planted into treated areas 120 days after last application.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Handle and open container in a manner as to prevent spillage. If container is leaking invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized people away. You may contact the Miles Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Miles Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.



Miles Inc.
Crop Protection Products
Box 4913, Kansas City, Mo 64120-0013

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